

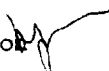
# Memorandum



EAD  
99  
980.2

DATE : August 13, 1986

TO : Ken Hunich  
Fred Mandapat  
Walt Sickler

FROM : Lynn Davison 

SUBJECT : PCB Spill Cleanup

My staff has recently read a research report that shows that detergents clean as well or better than solvents for PCB spills. Detergent could be used to clean concrete, asphalt, wood, metal, or to decontaminate tools. One detergent in particular has been shown to clean up PCBs particularly well. It is manufactured by Penetone and is called Power Cleaner 155. It works as well at a dilution of 1 part cleaner to 32 parts water as at any higher concentration. Also, a solution can be reused several times and still be effective. For the best cleanup or extraction of PCBs, cleanup should be initiated within 24 hours, when possible. Also, a second and third cleaning will continue to remove PCBs. The detergent solution may be used with rags or poured on a surface to soak (10 minutes), brushing before and after the soak, and then removed with sorbent materials.

We recommend that in future PCB spill cleanups, you suggest that this cleaner be used (at 1:32 dilution). It has been recommended for stock and may be available from our warehouses by November 1986, if approved. Until then, it may be purchased from Penetone's warehouse at 5900 First Avenue South, Seattle. They need about two hours advance notice before you can pick up products from their warehouse (phone number is 762-7676). A Material Safety Data Sheet is attached. If you have questions or want to see a copy of the research report, please call Kris Benson (x3568) or Terry Kakida (x3956).

KB:jf

Attachment

cc: Macdonald	Hanisch
Rauch	Croll
Jerochim	Kakida
Fletcher	Luboff
Cuplin	Minteer
Naud	Benson
Schorer	EAD 980.2
Vargas	File

74 HUDSON AVENUE, TENAFLY, NJ 07670  
EMERGENCY TEL. NO. (201) 567-3000

DATE January 3, 1985

**SECTION I. PRODUCT IDENTIFICATION**

TRADE NAME POWER CLEANER 155
FORMULAPhosphates, alkyl aryl sulfonate, chelate (EDTA type) ethoylated non-ionic surfactant, silicates, water
CHEMICAL FAMILY Liquid detergent

**SECTION II. HAZARDOUS INGREDIENTS**

COMPONENT OR MATERIAL CHEMICAL NAMES	CAS NO.	% by	TLV (Units)
None			

**SECTION III. PHYSICAL DATA**

BOILING POINT (°F) 212	VAPOR PRESSURE, mm Hg @ 20°C (68°F) N.A.
EVAPORATION RATE (ETHER =1) Equal to water	VAPOR DENSITY (AIR=1) @ 60-90°F N.A.
SOLUBILITY IN H <sub>2</sub> O, % by wt @ 20°C (68°F) Complete	% VOLATILES by VOL. @ 70°F Negligible
SPECIFIC GRAVITY H <sub>2</sub> O = 1 @ 75°F 1.170	pH (as received):12.6
APPEARANCE & ODOR Clear liquid; virtually odorless	

**SECTION IV. FIRE AND EXPLOSION DATA**

FLASH POINT (Method Used) None	FLAMMABLE EXPLOSIVE LIMITS N.A.	UPPER	LOWER
EXTINGUISHING MEDIA Does not apply			
SPECIAL FIRE FIGHTING PROCEDURES Does not apply			
UNUSUAL FIRE & EXPLOSION HAZARDS None			

**SECTION V. EMERGENCY AND FIRST AID PROCEDURES**

EYES Flush with water for several minutes
SKIN Flush affected area with water
INHALATION N.A.
INGESTION Dilute and neutralize stomach contents with citric juices or vinegar. Seek physician.

**SECTION VI. HEALTH HAZARD DATA****THRESHOLD LIMIT VALUE**

N.A.

**EFFECTS OF OVEREXPOSURE:**INHALATION  
N.A.**SKIN**

Dryness or irritation to skin may occur on prolonged contact

**EYES**

Irritant to eyes upon contact only

**CHRONIC OVEREXPOSURE EFFECTS**

Not ascertained

**SECTION VII. REACTIVITY DATA****CONDITIONS CONTRIBUTING TO INSTABILITY**

Product is stable

**INCOMPATIBILITY**

N.A.

**HAZARDOUS DECOMPOSITION PRODUCTS**

None known

**CONDITIONS CONTRIBUTING TO POLYMERIZATION**

Will not occur

**SECTION VIII. SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Flush away with water or use absorbents

**NEUTRALIZING CHEMICALS**

Weak acids

**WASTE DISPOSAL METHOD**

Dispose of in accordance with local, state and Federal EPA regulations

**SECTION IX. VENTILATION AND PERSONAL PROTECTIVE EQUIPMENT****VENTILATION REQUIREMENTS**

N.A.

**SPECIAL PERSONAL PROTECTIVE EQUIPMENT****RESPIRATORY**

N.A.

**EYE**

Splash proof goggles

**GLOVES**

Rubber

**OTHER CLOTHING & EQUIPMENT**

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**SECTION X. SPECIAL PRECAUTIONS INCLUDING STORAGE****PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE (Always refer to label directions when using.)**

Protect from freezing. If product does freeze, thaw and roll drum (container):

product will revert to normal consistency

**D.O.T. SHIPPING CLASSIFICATION**

Liquid cleaning compound, N.O.S.

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